

Sequence Listing 2.txt

Sequence Listing

<110> SJ BIOMED INC.
 <120> Anti-obese immunogenic hybrid polypeptides and anti-obese vaccine composition comprising the same
 <160> 9
 <170> KopatentIn 1.71
 <210> 1
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> mimetic peptide for apolipoprotein B-100 epitope
 <400> 1
 Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
 1 5 10 15
 <210> 2
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> mimetic peptide for apolipoprotein B-100 epitope
 <400> 2
 Arg Phe Arg Gly Leu Ile Ser Leu Ser Gln Val Tyr Leu Asp Pro
 1 5 10 15
 <210> 3
 <211> 15
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> mimetic peptide for apolipoprotein B-100 epitope
 <400> 3
 Ser Val Cys Gly Cys Pro Val Gly His His Asp Val Val Gly Leu
 1 5 10 15
 <210> 4
 <211> 204
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> DNA sequence for terameric mimetic peptide

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<220>
<221> CDS
<222> (1)..(204)

<400> 4
gtc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att gca      48
Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
 1          5          10          15

ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att      96
Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
          20          25          30

gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg      144
Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
          35          40          45

att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat      192
Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
          50          55          60

tgg att gca ttc
Trp Ile Ala Phe
65

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<210> 5
<211> 68

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<212> PRT
<213> Artificial Sequence
<400> 5
Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
 1          5          10          15

Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
          20          25          30

Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
          35          40          45

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
          50          55          60

Trp Ile Ala Phe
65

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<210> 6
<211> 180
<212> DNA
<213> Hepatitis B virus

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<220>
<221> CDS
<222> (1)..(177)
<223> Hepatitis B virus pres2

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<220>
<221> terminator
<222> (178)..(180)

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<400>      6
atg cag tgg aac tcc acc aca ttc cac caa gct ctg cta gat ccc aga      48
Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg
   1              5              10              15

gtg agg ggc cta tat ttt cct gct ggt ggc tcc agt tcc gga aca gta      96
Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
              20              25              30

aac cct gtt ccg act act gcc tca ccc ata tcg tca atc ttc tcg agg      144
Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
              35              40              45

act ggg gac cct gca ccg aac ctc gag cgg tca          taa          180
Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
   50              55

```

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<210>      7
<211>      59
<212>      PRT
<213>      Hepatitis B virus

```

```

<400>      7
Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg

   1              5              10              15
Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
              20              25              30

Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
              35              40              45

Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
   50              55

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<210>      8
<211>      444
<212>      DNA
<213>      Artificial Sequence

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<220>
<223>      DNA sequence for hybride polypeptide

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<220>
<221>      CDS
<222>      (1)..(441)

<220>
<221>      terminator
<222>      (441)..(444)

```

```

<400>      8

atg aga gga tcg cat cac cat cac cat cac gga tcc gat gat gat gac      48
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
   1              5              10              15

aag atc gtc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg      96

```

Lys Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
20 25 30

tgg att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt 192
 Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
 50 55 60

gtt tat tgg att gca ttc ctc gac atg cag tgg aac tcc acc aca ttc 288
Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr Phe
85 90 95

ggt ggc tcc agt tcc gga aca gta aac cct gtt ccg act act gcc tca 384
 Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser
 115 120 125

gag cgg tca taa 444
Glu Arg Ser
145

```
<210> 9
<211> 147
<212> PRT
<213> Artificial Sequence
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<400> 9
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15

Lys Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
20 25 30

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
35 40 45

Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
50 55 60

Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp

65 Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr Phe
85 90 95

His Gln Ala Leu Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala

Sequence Listing 2.txt
105 110

100
Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser
115 120 125
Pro Ile Ser Ser Ile Phe Ser Arg Thr Gly Asp Pro Ala Pro Asn Leu
130 135 140
Glu Arg Ser
145

<210> 10
<211> 432
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence for PTB14

<220>
<221> CDS
<222> (1)..(429)

<400> 10
atg aga gga tcg cat cac cat cac cat cac gga tcc gat gat gat gac 48
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15
aag atc gtc gac atg cag tgg aac tcc acc aca ttc cac caa gct ctg 96
Lys Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu
20 25 30
cta gat ccc aga gtg agg ggc cta tat ttt cct gct ggt ggc tcc agt 144
Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
35 40 45
tcc gga aca gta aac cct gtt ccg act act gcc tca ccc ata tcg tca 192
Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser
50 55 60
atc ttc tcg aag act ggg gac cct gca ccg aac ctc gac cgt aat gtt 240
Ile Phe Ser Lys Thr Gly Asp Pro Ala Pro Asn Leu Asp Arg Asn Val
65 70 75 80
cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac cgt aat 288
Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn
85 90 95
gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac cgt 336
Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg
100 105 110
aat gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac 384
Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp
115 120 125
cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc t 430
Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
130 135 140

Sequence Listing 2.txt

aa

432

<210> 11
<211> 143
<212> PRT
<213> Artificial Sequence

<400> 11
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15
Lys Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu
20 25 30
Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
35 40 45
Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser
50 55 60
Ile Phe Ser Lys Thr Gly Asp Pro Ala Pro Asn Leu Asp Arg Asn Val
65 70 75 80
Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn
85 90 95
Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg
100 105 110
Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp
115 120 125
Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
130 135 140